



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

B015227

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: FEBRUARY 2027

OWNER OF OPERATOR (Co.#100)

Metropolitan Water District of So Calif
158000 MWD Road
Parker Dam, CA 92267

EQUIPMENT LOCATION (Fac.#571)

MWD - Gene Pumping Plant
158000 MWD Road
Parker Dam, CA 92267

Description:

DIESEL IC ENGINE, PORTABLE AIR COMPRESSOR consisting of: EPA Tier: Tier 4F BHP Range: 100<HP<175 *Please note, this equipment may be operated at various locations, however emissions comply with the stationary requirements of 17 CCR 93115 and 40 CFR 60, Subpart IIII. While the engine MAY be used at various locations within the facility, the engine is not required to move from its footprint on an annual basis.

One Varies, Diesel fired internal combustion engine Model No. Varies and Serial No. Varies, producing 175 bhp with 4 cylinders at 2200 rpm while consuming a maximum of 12.7 gal/hr. This equipment powers a Varies Compressor Model No. Varies and Serial No. Varies, rated at Varies.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.6	gm/bhp-hr
NOx	0.29	gm/bhp-hr
PM10	0.01	gm/bhp-hr
PM2.5	0.01	gm/bhp-hr
SOx	0.01	gm/bhp-hr
VOC	0.14	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b)

Rating: 175 bhp

SIC: 4941

SCC: 20200102

Location/UTM(Km):
761E/3798N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Metropolitan Water District of So Calif
P O Box 54153

Los Angeles, CA 90054

By: **COPY**

Eldon Heaston
Air Pollution Control Officer

1. This certified portable compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302; 40 CFR 60.4211(a)]

2. This engine shall not be operated unless all manufacturer-installed emission control systems are properly functioning. Furthermore, no changes shall be made to any of the emissions control systems unless done so by a factory certified technician.
[District Rule 1302]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,

b. A cetane index or aromatic content, as follows:

1. A minimum cetane index of 40; or,

2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a); 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93115.10(d)]

5. The owner/operator shall maintain an operations and inspection log for this unit, current and on-site (or at a central location), for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Date of each use;

b. Location of each use (decimal degrees, xx.xxxxx, -yyy.yyyyy);

c. Daily, Monthly, and 12 month rolling consecutive total hours of operation, as indicated by the hour meter readings;

d. Records of all inspection, maintenance and/or repair actions performed on the engine, including date and description;

e. Fuel sulfur concentration as required by condition #3 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Rules 1302 and 1320]

6. The emissions from this facility shall be less than the following limits:

a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis.

b. 12 tons of PM10 per year calculated on a rolling twelve month summary basis.

c. 20 tons of NOx per year calculated on a rolling twelve month summary basis.

d. 20 tons of VOC per year calculated on a rolling twelve month summary basis.

e. 80 tons of CO per year calculated on a rolling twelve month summary basis.

f. 20 tons of SOx per year calculated on a rolling twelve month summary basis.

Compliance with this limit shall be verified with an emissions inventory as requested by the District.

[District Rule 1303]

7. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
[District Rule 1302]

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]